

Title (en)

ROTARY DRUM-TYPE KILN COMPRISING FIREPROOF STIRRING BODIES FOR REMELTING ALUMINIUM

Title (de)

DREHTROMMELOFEN MIT FEUERFESTEN RÜHRKÖRPERN ZUM UMSCHMELZEN VON ALUMINIUM

Title (fr)

FOUR A TAMBOUR ROTATIF DOTE D'ELEMENTS MELANGEURS REFRACTAIRES POUR REFONDRE L'ALUMINIUM

Publication

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Application

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Abstract (en)

[origin: WO2005090620A1] The invention relates to a rotary drum-type kiln for remelting aluminium in a protection bath consisting of a salt melt. Said kiln comprises stirring bodies (3) which are fixed to the wall of the kiln (1) and project inwardly over the fireproof lining (2) of the kiln, said bodies being produced from a hydraulically or chemically binding fireproof casting or stamping mass. The aim of the invention is to provide stirring bodies (3) of one such rotary drum-type kiln with a significantly longer service life, doing without a metallic core supported from the inside. To this end, the casting and stamping mass comprises up to 50 vol. % of steel needles, preferably consisting of a chromium nickel steel having a carbon content of less than 0.15 %, a chromium content of between 15 and 19 %, and a nickel content of between 33 and 39 %, and having a diameter of between 0.5 and 2 mm and a length of between 20 mm and 50 mm.

IPC 8 full level

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